**Homework 33 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Product Property and Multiplying Radicals Period:\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Show all your work, or it will be a LASALLE.**

**Directions: Simplify all the problems below.**

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Mixed Review

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| 1. Convert the following into standard notation:   a. 256 x 10-7  b. 3.4 x 105  c. 0.45 x 10-6 | 1. Of the following numbers, which is the smallest value?   A) 6,120  B) 612 x  C) 6.12 x  D) 0.00612 x  E) 6.12 x |
| 1. State whether the number given in scientific notation has a large or small value. 2. 1.1 x 1012 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3. 8.9 x 10-7 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4. 2.0 x 10100\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 5. 4.567 x 10-18 \_\_\_\_\_\_\_\_\_\_\_\_ | 1. Which of the following has the greatest value?   A) 3.1x  B) 31 x  C) 0.0031 x  D) 310,000  E) 0.31 x |
| 5. Simplify: | 6. Simplify: |
| 7. Quadrilateral INTR is a rectangle with diagonals meeting at point M. If *mNMT* = 68 what is *mRMT*? | 8. In the figure below, Q, R, and S are collinear. If the measure of PQR is 31 and the measure of PRS is 58, what is the measure of QPR? |